

# Multilevel FDFs

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# Incomplete protocol in T11/11-026v1 page 10

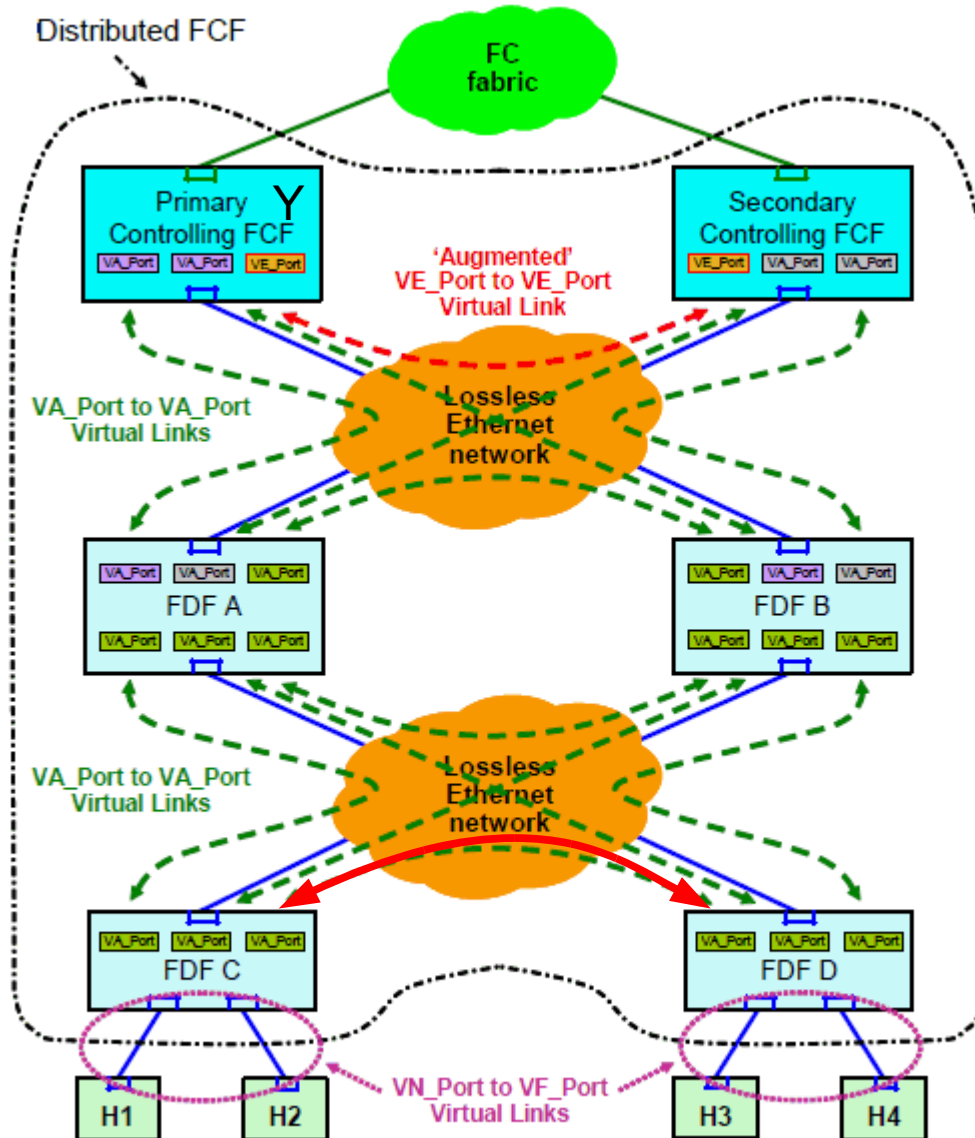


Figure 3 – Example of Distributed FCF with Cascaded FDFs

T11/11-026v1, page 10, describes the following protocol: (ignoring FDF B, NPZD, secondary controlling FCF)

- 1) FDF A/B/C/D broadcast FIP ADV
- 2) FCF Y<-> FDF A: FIP ELP exchange
- 3) FCF Y<->FDF A: DFMD with list (FDF A,B,C,D) exchange
- 4) FDF A<-> FDF C: FIP ELP exchange
- 5) FDF A<-> FDF D: FIP ELP exchange
- 6) FCF A<->FCFY: FDRN exchange, FDF A\_VA<->FDF C\_VA instantiated
- 7) FCF A<->FCFY: FDRN exchange, FDF A\_VA<->FDF D\_VA instantiated

Missing in T11/11-026v1, page 10, “Upon instantiating a VA\_Port to VA\_Port Virtual link with another...”

- 8) FCFY<->FDF C: DFMD with list (FDF A,B,C,D) exchange
- 9) FCFY<->FDF D: DFMD with list (FDF A,B,C,D) exchange
- 10) FCF C<-> FDF D: FIP ELP exchange
- 11) FCF C<->FCFY: FDRN exchange, FDF C\_VA<->FDF D\_VA instantiated

# revised text T11/11-026v1 page 10

- Upon instantiating a VA\_Port to VA\_Port Virtual Link with an FDF, the primary Controlling FCF shall initiate an FDRN Exchange (see 2.3.4) describing that Virtual Link with the secondary Controlling FCF to keep the state synchronized. Upon completion of this FDRN Exchange, the primary Controlling FCF shall provide to that FDF the Distributed FCF Membership information through a DFMD Exchange (see 2.3.9). At this point the instantiated VA\_Port to VA\_Port Virtual Link becomes part of the Distributed FCF internal topology (i.e., the set of VA\_Port to VA\_Port Virtual Links internal to the Distributed FCF). The primary Controlling FCF shall recompute the N\_Port\_ID routes and distribute them to each FDF belonging to the Distributed FCF through NPRD Exchanges (see 2.3.6).

....

Upon instantiating a VA\_Port to VA\_Port Virtual Link with another FDF or with the secondary Controlling FCF, an FDF shall perform a FDRN Exchange with the primary Controlling FCF to inform it of the new Virtual Link. Upon completing a FDRN Exchange with an FDF, the primary Controlling FCF shall initiate another FDRN Exchange with the same parameters with the secondary Controlling FCF to keep the state synchronized. **After completing the FDRN Exchange the primary Controlling FCF shall provide to the newly reported FDF the Distributed FCF Membership information through a DFMD Exchange (see 2.3.9), if that FDF didn't not already receive a recent DFMD Exchange in a previous step. At this point the instantiated VA\_Port to VA\_Port Virtual Link becomes part of the Distributed FCF internal topology from the perspective of the newly discovered FDF (i.e., the set of VA\_Port to VA\_Port Virtual Links internal to the Distributed FCF). Upon completion of this ~~FDRN~~DFMD Exchange, the primary Controlling FCF shall recompute the N\_Port\_ID routes and distribute them to each FDF belonging to the Distributed FCF through NPRD Exchanges.**